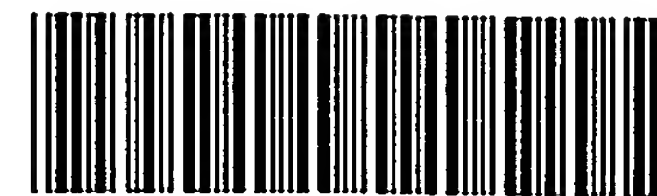


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/664,605A
Source: IFW/6
Date Processed by STIC: 5/30/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:04

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

3 <110> APPLICANT: Golembo, Myriam
 4 Yayon, Avner
 6 <120> TITLE OF INVENTION: METHOD AND COMPOSITION FOR TREATMENT OF SKELETAL DYSPLASIAS
 8 <130> FILE REFERENCE: 81408-4300
 10 <140> CURRENT APPLICATION NUMBER: US 10/664,605A
 11 <141> CURRENT FILING DATE: 2003-09-15
 13 <150> PRIOR APPLICATION NUMBER: US 60/276,939
 14 <151> PRIOR FILING DATE: 2001-03-20
 16 <150> PRIOR APPLICATION NUMBER: IL 142118
 17 <151> PRIOR FILING DATE: 2001-03-20
 19 <150> PRIOR APPLICATION NUMBER: PCT/IL02/00229
 20 <151> PRIOR FILING DATE: 2002-03-20
 22 <160> NUMBER OF SEQ ID NOS: 75
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 22
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Homo sapiens
 31 <300> PUBLICATION INFORMATION:
 32 <308> DATABASE ACCESSION NO: P23582
 33 <309> DATABASE ENTRY DATE: 2001-10-16
 34 <313> RELEVANT RESIDUES: (105)..(126)
 36 <400> SEQUENCE: 1
 38 Gly Leu Ser Lys Gly Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser
 39 1 5 10 15
 42 Met Ser Gly Leu Gly Cys
 43 20
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 17
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Homo sapiens
 51 <300> PUBLICATION INFORMATION:
 52 <308> DATABASE ACCESSION NO: P23582
 53 <309> DATABASE ENTRY DATE: 2001-10-16
 54 <313> RELEVANT RESIDUES: (110)..(126)
 56 <400> SEQUENCE: 2
 58 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met Ser Gly Leu Gly
 59 1 5 10 15
 62 Cys
 66 <210> SEQ ID NO: 3
 67 <211> LENGTH: 29
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:04

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

71 <300> PUBLICATION INFORMATION:

72 <308> DATABASE ACCESSION NO: P01161

73 <309> DATABASE ENTRY DATE: 2001-10-16

74 <313> RELEVANT RESIDUES: (123)..(150)

76 <400> SEQUENCE: 3

78 Pro Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile

79 1 5 10 15

82 Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr

83 20 25

86 <210> SEQ ID NO: 4

87 <211> LENGTH: 32

88 <212> TYPE: PRT

89 <213> ORGANISM: Homo sapiens

91 <300> PUBLICATION INFORMATION:

92 <308> DATABASE ACCESSION NO: P16860

93 <309> DATABASE ENTRY DATE: 2001-10-16

94 <313> RELEVANT RESIDUES: (103)..(134)

96 <400> SEQUENCE: 4

98 Ser Pro Lys Met Val Gln Gly Ser Gly Cys Phe Gly Arg Lys Met Asp

99 1 5 10 15

102 Arg Ile Ser Ser Ser Ser Gly Leu Gly Cys Lys Val Leu Arg Arg His

103 20 25 30

106 <210> SEQ ID NO: 5

107 <211> LENGTH: 17

108 <212> TYPE: PRT

109 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: peptide variant

114 <220> FEATURE:

115 <221> NAME/KEY: MISC_FEATURE

116 <222> LOCATION: (4)..(4)

117 <223> OTHER INFORMATION: X at position 4 is defined as Xaa in the specification and is eit

118 her Leu (L), Ile (I) or Val (V)

121 <220> FEATURE:

122 <221> NAME/KEY: MISC_FEATURE

123 <222> LOCATION: (5)..(5)

124 <223> OTHER INFORMATION: X at position 5 is defined as Xbb in the description and is eith

125 er Lys (K), Leu (L) or Met (M)

128 <220> FEATURE:

129 <221> NAME/KEY: MISC_FEATURE

130 <222> LOCATION: (6)..(6)

131 <223> OTHER INFORMATION: X at position 6 is defined as Xcc in the description and is eith

132 er Leu (L), Ile (I), Ala (A) or Val (V)

135 <220> FEATURE:

136 <221> NAME/KEY: MISC_FEATURE

137 <222> LOCATION: (11)..(11)

138 <223> OTHER INFORMATION: X at position 11 is defined as Xdd in the description and is eit

139 her Ser (S), Ala (A), Gly (G), Thr (T) or Asn (N)

142 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:04

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

143 <221> NAME/KEY: MISC_FEATURE
 144 <222> LOCATION: (12)..(12)
 145 <223> OTHER INFORMATION: X at position 12 is defined as Xee in the description and is
 eith
 146 er Met (M), Ala (A), Lys (K), Trp (W).
 149 <220> FEATURE:
 150 <221> NAME/KEY: MISC_FEATURE
 151 <222> LOCATION: (14)..(14)
 152 <223> OTHER INFORMATION: X at position 14 is defined as Xff in the description and is
 eith
 153 er Gly (G), Lys (K), Ala (A) or Leu (L).
 156 <220> FEATURE:
 157 <221> NAME/KEY: MISC_FEATURE
 158 <222> LOCATION: (15)..(15)
 159 <223> OTHER INFORMATION: X at position 15 is defined as Xgg in the specification and
 is ei
 160 ther Leu (L) or Met (M).
 163 <400> SEQUENCE: 5
 W--> 165 Cys Phe Gly Xaa Xaa Xaa Asp Arg Ile Gly Xaa Xaa Ser Xaa Xaa Gly
 166 1 5 10 15
 169 Cys
 173 <210> SEQ ID NO: 6
 174 <211> LENGTH: 17
 175 <212> TYPE: PRT
 176 <213> ORGANISM: Artificial Sequence
 178 <220> FEATURE:
 179 <223> OTHER INFORMATION: peptide variant
 181 <400> SEQUENCE: 6
 183 Cys Ala Gly Leu Lys Leu Asp Arg Ile Gly Ser Met Ser Gly Leu Gly
 184 1 5 10 15
 187 Cys
 191 <210> SEQ ID NO: 7
 192 <211> LENGTH: 17
 193 <212> TYPE: PRT
 194 <213> ORGANISM: Artificial Sequence
 196 <220> FEATURE:
 197 <223> OTHER INFORMATION: peptide variant
 199 <400> SEQUENCE: 7
 201 Cys Phe Gly Leu Lys Leu Ala Arg Ile Gly Ser Met Ser Gly Leu Gly
 202 1 5 10 15
 205 Cys
 209 <210> SEQ ID NO: 8
 210 <211> LENGTH: 17
 211 <212> TYPE: PRT
 212 <213> ORGANISM: Artificial Sequence
 214 <220> FEATURE:
 215 <223> OTHER INFORMATION: peptide variant
 217 <400> SEQUENCE: 8
 219 Cys Phe Gly Leu Lys Leu Asp Ala Ile Gly Ser Met Ser Gly Leu Gly
 220 1 5 10 15
 223 Cys
 227 <210> SEQ ID NO: 9

RAW SEQUENCE LISTING

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:04

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

228 <211> LENGTH: 17
 229 <212> TYPE: PRT
 230 <213> ORGANISM: Artificial Sequence
 232 <220> FEATURE:
 233 <223> OTHER INFORMATION: peptide variant
 235 <400> SEQUENCE: 9
 237 Cys Phe Gly Leu Lys Leu Asp Arg Ala Gly Ser Met Ser Gly Leu Gly
 238 1 5 10 15
 241 Cys
 245 <210> SEQ ID NO: 10
 246 <211> LENGTH: 17
 247 <212> TYPE: PRT
 248 <213> ORGANISM: Artificial Sequence
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: peptide variant
 253 <400> SEQUENCE: 10
 255 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Ala Ser Gly Leu Gly
 256 1 5 10 15
 259 Cys
 263 <210> SEQ ID NO: 11
 264 <211> LENGTH: 15
 265 <212> TYPE: PRT
 266 <213> ORGANISM: Artificial Sequence
 268 <220> FEATURE:
 269 <223> OTHER INFORMATION: peptide variant
 271 <400> SEQUENCE: 11
 273 Cys His Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met Ser Cys
 274 1 5 10 15
 277 <210> SEQ ID NO: 12
 278 <211> LENGTH: 15
 279 <212> TYPE: PRT
 280 <213> ORGANISM: Artificial Sequence
 282 <220> FEATURE:
 283 <223> OTHER INFORMATION: peptide variant
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 287 Cys His Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Met Ala Cys
 288 1 5 10 15
 291 <210> SEQ ID NO: 13
 292 <211> LENGTH: 15
 293 <212> TYPE: PRT
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:
 297 <223> OTHER INFORMATION: peptide variant
 299 <400> SEQUENCE: 13
 301 Cys His Phe Gly Leu Lys Leu Asp Arg Ile Gly Ala Gln Ser Cys
 302 1 5 10 15
 305 <210> SEQ ID NO: 14
 306 <211> LENGTH: 14
 307 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:04

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

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310 <220> FEATURE:
311 <223> OTHER INFORMATION: peptide variant
313 <400> SEQUENCE: 14
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316 1          5          10
319 <210> SEQ ID NO: 15
320 <211> LENGTH: 14
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: peptide variant
327 <400> SEQUENCE: 15
329 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ala Gln Ser Cys
330 1          5          10
333 <210> SEQ ID NO: 16
334 <211> LENGTH: 13
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: peptide variant
341 <400> SEQUENCE: 16
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344 1          5          10
347 <210> SEQ ID NO: 17
348 <211> LENGTH: 13
349 <212> TYPE: PRT
350 <213> ORGANISM: Homo sapiens
352 <400> SEQUENCE: 17
354 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ala Met Cys
355 1          5          10
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 13
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: peptide variant
366 <400> SEQUENCE: 18
368 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ser Gln Cys
369 1          5          10
372 <210> SEQ ID NO: 19
373 <211> LENGTH: 13
374 <212> TYPE: PRT
375 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
378 <223> OTHER INFORMATION: peptide variant
380 <400> SEQUENCE: 19
382 Cys Phe Gly Leu Lys Leu Asp Arg Ile Gly Ala Gln Cys
383 1          5          10

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/664,605A

DATE: 05/30/2006
TIME: 09:40:05

Input Set : A:\seq listing 81408-4300.txt
Output Set: N:\CRF4\05302006\J664605A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 4,5,6,11,12,14,15

VERIFICATION SUMMARY

DATE: 05/30/2006

PATENT APPLICATION: US/10/664,605A

TIME: 09:40:05

Input Set : A:\seq listing 81408-4300.txt

Output Set: N:\CRF4\05302006\J664605A.raw

L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0